

IN THE SPECIFICATION

Please replace the Abstract of the Disclosure with the following replacement Abstract:

ABSTRACT OF THE DISCLOSURE

An absolute steering angle of a steering shaft for a vehicle is measured using rotatable bodies that rotate together with the steering shaft at respective predetermined rotation ratios. A  $\Psi_M'$  value is obtained by measuring a relative rotational angle  $\Psi''$  of a first rotatable body and a  $\theta_M'$  value is obtained by measuring the relative rotational angle  $\theta'$  of a second rotatable body.  $\theta_C$ 's are obtained by calculating relative rotational angles  $\theta$ 's of the second rotatable body corresponding to the  $\Psi_M'$  value, using the relation between  $\Psi''$  and  $\theta'$ . A frequency i-value of the first rotatable body is obtained by comparing the  $\theta_C$ s to the  $\theta_M'$  value. An absolute steering angle  $\Phi_1$  of the steering shaft is obtained based on the relation between absolute rotational angles  $\Psi$  and  $\Phi$ , after  $\Psi$  is obtained using the i-value.